

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/037159

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61P35/02 A61K39/395
//C07K16/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07K A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, EMBASE, BIOSIS, Sequence Search, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/28480 A (CHIRON CORPORATION; CHU, KETING; MASUOKA, LORIANNE) 11 April 2002 (2002-04-11) page 30	1-9, 19-24, 29-42, 46-61
A	WO 02/28940 A (NIPPON KAYAKU KABUSHIKI KAISHA; AKATSUKA, YASUMASA; ASANO, TOYOFUMI; I) 11 April 2002 (2002-04-11) figure 12	1-64
A	WO 01/83755 A (GEMINI SCIENCE, INC; MIKAYAMA, TOSHIFUMI; TAKAHASHI, NOBUAKI; CHEN, XI) 8 November 2001 (2001-11-08) page 9	1-64
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *&* document member of the same patent family

Date of the actual completion of the international search

11 May 2005

Date of mailing of the international search report

17/06/2005

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/037159

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/088186 A (KIRIN BEER KABUSHIKI KAISHA; MIKAYAMA, TOSHIFUMI; YOSHIDA, HITOSHI; FO) 7 November 2002 (2002-11-07) example 14	1-64
P,A	-& EP 1 391 464 A (KIRIN BEER KABUSHIKI KAISHA) 25 February 2004 (2004-02-25)	1-64
A	WO 03/029296 A (CHIRON CORPORATION; CHU, KETING; WANG, CHANGYU; YOSHIHARA, CORRINE; DO) 10 April 2003 (2003-04-10) example 13	1-64
A	FUNAKOSHI S ET AL: "DIFFERENTIAL IN VITRO AND IN VIVO ANTITUMOR EFFECTS MEDIATED BY ANTI-CD40 AND ANTI-CD20 MONOCLONAL ANTIBODIES AGAINST HUMAN B-CELL LYMPHOMAS" JOURNAL OF IMMUNOTHERAPY: WITH EMPHASIS ON TUMOR IMMUNOLOGY, RAVEN PRESS, US, vol. 19, no. 2, March 1996 (1996-03), pages 93-101, XP001064650 ISSN: 1067-5583 the whole document	1-64
A	WO 02/04021 A (IDEC PHARMACEUTICALS CORPORATION) 17 January 2002 (2002-01-17) the whole document	1-64
A	WO 02/22212 A (IDEC PHARMACEUTICALS CORPORATION) 21 March 2002 (2002-03-21) the whole document	1-64
A	MALONEY D G ET AL: "IDEC-C2B8: RESULTS OF A PHASE I MULTIPLE-DOSE TRIAL IN PATIENTS WITH RELAPSED NON-HODGKIN'S LYMPHOMA" JOURNAL OF CLINICAL ONCOLOGY, GRUNE AND STRATTON, NEW YORK, NY, US, vol. 15, no. 10, October 1997 (1997-10), pages 3266-3274, XP002936242 ISSN: 0732-183X the whole document	1-64

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2004/037159

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 1-64 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/037159

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0228480	A	11-04-2002	AU 1136602 A	15-04-2002
			AU 9650701 A	15-04-2002
			AU 9654501 A	15-04-2002
			AU 9654701 A	15-04-2002
			CA 2424296 A1	11-04-2002
			CA 2424749 A1	11-04-2002
			EP 1322383 A2	02-07-2003
			EP 1326896 A2	16-07-2003
			JP 2004510752 T	08-04-2004
			JP 2004517611 T	17-06-2004
			WO 0228904 A2	11-04-2002
			WO 0228905 A2	11-04-2002
			WO 0228480 A2	11-04-2002
			WO 0228481 A2	11-04-2002
WO 0228940	A	11-04-2002	EP 1323761 A1	02-07-2003
			WO 0228940 A1	11-04-2002
			JP 2002241475 A	28-08-2002
			US 2003009001 A1	09-01-2003
			US 2004166326 A1	26-08-2004
WO 0183755	A	08-11-2001	AU 5921501 A	12-11-2001
			WO 0183755 A2	08-11-2001
			US 2003059427 A1	27-03-2003
			US 2002142358 A1	03-10-2002
WO 02088186	A	07-11-2002	US 2003059427 A1	27-03-2003
			CA 2445349 A1	07-11-2002
			CN 1522264 A	18-08-2004
			EP 1391464 A1	25-02-2004
			WO 02088186 A1	07-11-2002
			US 2004120948 A1	24-06-2004
			AU 5921501 A	12-11-2001
EP 1391464	A	25-02-2004	US 2003059427 A1	27-03-2003
			US 2002142358 A1	03-10-2002
			CA 2445349 A1	07-11-2002
			EP 1391464 A1	25-02-2004
			US 2004120948 A1	24-06-2004
			CN 1522264 A	18-08-2004
			WO 02088186 A1	07-11-2002
			AU 5921501 A	12-11-2001
WO 03029296	A	10-04-2003	WO 03029296 A1	10-04-2003
WO 0204021	A	17-01-2002	US 2002006404 A1	17-01-2002
			AU 6461201 A	21-01-2002
			CA 2415100 A1	17-01-2002
			CN 1446104 A	01-10-2003
			EP 1305045 A1	02-05-2003
			JP 2004502742 T	29-01-2004
			MX PA03000306 A	05-04-2004
			NO 20030128 A	12-03-2003
			WO 0204021 A1	17-01-2002
			US 2002028178 A1	07-03-2002
			ZA 200300293 A	22-01-2004
			CA 2436180 A1	08-08-2002
			CA 2444661 A1	08-08-2002

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/037159

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0204021 A		CN 1494433 A	05-05-2004
		EP 1370292 A1	17-12-2003
		EP 1372724 A2	02-01-2004
		JP 2005503999 T	10-02-2005
		JP 2005503326 T	03-02-2005
		NO 20033417 A	30-09-2003
		NO 20033418 A	30-09-2003
		WO 02060484 A1	08-08-2002
		WO 02060485 A2	08-08-2002
		US 2002159996 A1	31-10-2002
WO 0222212 A	21-03-2002	CA 2422076 A1	21-03-2002
		JP 2004508420 T	18-03-2004
		MX PA03002262 A	15-10-2003
		NO 20031218 A	19-05-2003
		WO 0222212 A2	21-03-2002
		US 2002058029 A1	16-05-2002
		ZA 200302139 A	23-06-2004
		AU 9103701 A	26-03-2002
		EP 1328320 A2	23-07-2003